

KOMAROV, L.Ye., kand.tekh.nauk

Practice in preventing spoilage in foundries abroad. Biul.
tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform.
no.9:84-86 '62. (MIRA 15:9)

(Founding)

LAMASOV, A.A.; OSTROV, Ye.I.; IVANOV, D.P., doktor tekhn. nauk,
retsenzent; KOMAROV, L.Ye., kand. tekhn. nauk, red.

[Casting gray cast iron parts for motor vehicles; practice
of the Likhachev Automobile Plant] Proizvodstvo avtomobil'-
nykh otlivok iz serogo chuguna; iz opyta ZILa. Moskva, Izd-
vo "Mashinostroenie," 1964. 143 p. (MIRA 17:8)

KOMAROV, M., kand. sel'skokhoz. nauk

Plowing on slopes. Zemledelia 26 no.8:34-36 Ag '64.

(MIRA 17:11)

1. Voronezhskiy sel'skokhozyaystvennyy institut.

L 38558-66 EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(R) IJP(c) JD/HM/GD

ACC NR: AT6012405

SOURCE CODE: UR/0000/65/000/000/0295/0300

AUTHORS: Guseva, Ye. A.; Komarov, M. A.; Vorob'yeva, L. P.; Savitskiy, I. A. 47

ORG: none

TITLE: Structural and property changes of the basic metal and welded joints of alloy VT15 during heat treatment

SOURCE: Soveshchaniye po metallokhimii, metallovedeniyu i primeneniyu titana i yego splavov, 6th. Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1965, 295-300

TOPIC TAGS: METAL AGING, MECHANICAL PROPERTY
titanium alloy, metal welding, metal property, weld heat treatment / VT15 titanium alloy 16

ABSTRACT: The aging process of the basic metal and welded joints of alloy VT15 was experimentally investigated on specimens which (after quenching in water from 800C) had the following properties: $\sigma_2 = 101.5 \text{ kg/mm}^2$, $\sigma_{0.2} = 100.7$; $\delta = 11.7\%$, $\alpha = 6.2 \text{ kg/cm}^2$, bending angle = 75° . The structural, mechanical, and electrical resistance changes after heat treatment were investigated. Quenching temperatures were varied from 650--1100C (quenching in water after 15 min at temperature) and aging temperatures from 300--600C. Curves of resistivity and α as a function of quenching and aging temperature are presented along with sample photographs of the corresponding microstructures, and the results are summarized in two tables. It was

Card 1/2

KOMAROV, M.D., Docent.

Cranes, Derricks, etc.

Dynamic phenomena of hoist cranes. Nauk.zap.LPI, No. 1, 1947.

9. Monthly List of Russian Accessions, Library of Congress, December 195~~8~~, Uncl.

✓

KOMAROV, V.I., Cand Agr Sci — (diss) "Dynamics of forms of organic substances *in connection with deep tresses and non-tresses* depending on the depth of ~~deeping~~ *plowing* ~~and non-deeping tilling.~~" Voronezh, 1957. 13 pp (Min of Agr USSR, Voronezh Agr Inst), 100 copies (M, 29-59, 130)

-56-

KOMAROV, M.I.

KVASNIKOV, V.V. (Voronezh); KOMAROV, M.I. (Voronezh)

Intensity of carbonic acid liberation in soil when using plows
with and without a moldboard [with summary in English]. Pochvo-
vedenie no.7:47-51 J1 '57. (MIRA 10:11)
(Gases in soils) (Carbon dioxide) (Plowing)

KOMAROV M. I.

Country : USSR
Category : Plant Diseases. Diseases of Cultivated Plants. 0

Abs Jour : RZhBiol., No 6, 1959, No 25230

Author : Komarov, M. I.

Inst :
Title : Use of Aerosols in Vineyards.

Orig Pub : Sad i ogorod, 1958, No. 6, 67-70

Abstract : A successful treatment of the vineyards in -
Krasnodarskiy Kray in 1957, with the aerosol
of a 20 percent solution of Cu naphthenate
in solar oil for the control of mildew is re-
ported.

Card : 1/1

KOMAROV, M.I., kand.sel'skokhozyaystvennykh nauk

Increase the speed of grain sowing units. Zemledelie 25 no.4:
28-32 Ap '63. (MIRA 16:5)

1. Voronezhskiy sel'skokhozyaystvennyy institut.
(Grain) (Planters (Agricultural machinery))

MANULIN, Svyatoslav Vasil'yevich; ROMAROV, Mikhail Maksimovich;
ROKHLIN, A.G., raskazchik; BLINOV, B.S., raskazchik;
SHYKIN, R.Z., raskazchik; GOLUBOVA, N.P., red.

[Repair of 5050 marine diesel generators] Remont sudovyykh
dizel'-generatorov 5050. Leningrad, Sudostroenie, 1965.
159 p. (MIRA 18:11)

KOMAROV, M.S.
25621

Nekotoryye Voprosy Metodiki Prepodavaniya Kursa «Detali Mashin» [S Primech.
Red., S. 21 / Vestnik Vyssh. Shkoly, 1948, No. 6, S. 13-15

SO: LETOPIS NO. 30, 1948

KOMAROV, M. S.

Dinamika gruzovod"emnykh mashin. [Dynamics of hoisting machinery]. Kiev. 1953. 188 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 12 March 1954.

KOMAROV, M.S., doktor tekhnicheskikh nauk, professor; KURENDASH, R.S.,
kandidat tekhnicheskikh nauk, dotsent.

An electric-drive vibrating saw. Vses.mash. 35 no.10:69-70. 0 '55.
(Saw) (MLRA 9:1)

KOMAROV, M.S.

SOV/124-58-5-4987

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 7 (USSR)

AUTHOR: Komarov, M.S.

TITLE: The Dynamics of Weight-loading a Two-body Elastic System
(Dinamika nagruzheniya dvukhmassoovykh uprugikh sistem
silami vesa)

PERIODICAL: V sb.: Nekotoryye vopr. dinamiki mashin. L'vov, un-t,
1956, pp 90-106

ABSTRACT: An examination is made of the free vibrations of a system of two weights placed upon springs. Formulae are given for determining the largest forces absorbed by the springs under given initial conditions of motion of the weights. In the derivation of the formulae no allowance is made for the forces of friction, and it is assumed that the largest value for the sum of the two harmonic functions (having different periods and initial phases) will equal the arithmetic sum of the amplitudes of the individual functions. Because of this the forces in the springs, as determined by these formulae, will be overrated. The problem of the free vibrations of two weights has already been considered many times in this particular formulation.

Card 1/1

1. Dynamics--Theory 2. Vibrations--Mathe- M.Ya. Kushul'
matical analysis 3. Harmonic functions

KOMAROV, M.S.

KOZLOV, Ivan Stepanovich; SOLOGUB, Nikolay Avramovich; KOMAROV, M.S.,
doktor tekhnicheskikh nauk, retsenzent; DUMPE, V.B., kandidat
tekhnicheskikh nauk, retsenzent; SERDYUK, V.K., redaktor;
RUDENSKIY, Ya.V., tekhnicheskij redaktor

[Machine-shop practice] Praktika slesarnogo dela. Kiev, Gos.
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 235 p.
(Machine-shop practice) (MIRA 10:9)

SOV/124-58-11-12150

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 26 (USSR)

AUTHOR: Komarov, M. S.

TITLE: A Theoretical Determination of the Dynamic Loads Absorbed by Weight-hoisting Mechanisms (Teoreticheskoye opredeleniye dinamicheskikh nagruzok, vosprinimayemykh mekhanizmami gruzopod'yemnykh mashin)

PERIODICAL: V sb.: Vopr. teorii i rascheta pod'yemno-transp. mashin. Moscow-Leningrad, Mashgiz, 1957, pp 42-47

ABSTRACT: An investigation is made of the dynamic loads absorbed by weight-hoisting mechanisms in such cases as the hoisting of a weight and in the rolling motion of a crane, both cases representing two-body systems with elastic connections between the two bodies. For a high-frequency system the author gives a simplified solution for a case in which the motor has a constant starting torque, in which the rheostat does---and does not---have a prestarting stage, and in which the system is braked by a constant braking torque. He gives a similar but much less complicated solution for a low-frequency system wherein the starting torque of the motor is variable. M. K. Kristi

Card 1/1

25(2)

PHASE I BOOK EXPLOITATION

SOV/1802

Komarov, Mikhail Stepanovich, Professor, Doctor of Technical Sciences

Opredeleniye raschetnykh nagruzok proizvodstvennykh mekhanizmov i mashin (Determining Design Loads for Mechanisms and Machines)
Kiyev, Mashgiz, 1958. 141 p. (Series: Biblioteka konstruktora)
Errata slip inserted. 10,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskaya oblastnaya organizatsiya.

Reviewer: B.Ye. Broydo, Candidate of Technical Sciences, Docent;
Ed.: V.I. Leuta, Engineer; Chief Ed. (Ukrainian Division, Mashgiz): V.K. Serdyuk, Engineer.

PURPOSE: The book is intended for machine designers.

COVERAGE: The book presents methods for determining static and dynamic design loads to which machines and their parts are

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Determining Design Loads (Cont.)

SOV/1802

subjected during operation. Examples of design are given, including practical recommendations, reference tables, and standards. No personalities are mentioned. There are 14 references, all Soviet.

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Determining Design Loads (Cont.)

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Card 4/5

IVANOV, Mikhail Nikolayevich, prof., doktor tekhn.nauk; KOMAROV,
Mikhail Stepanovich, prof., doktor tekhn.nauk; DOBROVOL'SKIY,
V.A., prof., retsenzent; KURENDASH, R.S., dotsent, kand.tekhn.
nauk, otv.red.; KOTLYAROV, Yu.L., red.; MALYAVKO, A.V., tekhn.red.

[Machine parts and hoisting and conveying machinery] Detali
mashin i pod'emno-transportnye mashiny. L'vov, Izd-vo L'vovskogo
univ., 1961. 587 p. (MIRA 15:2)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche im. Baumana
(for Ivanov).
2. L'vovskiy politekhnicheskiy institut (for
Komarov).
3. Odesskiy politekhnicheskiy institut (for Dobrovol'skiy).
(Hoisting machinery) (Conveying machinery)

POVIDAYLO, Vladimir Aleksandrovich; SILIN, Radomir Ivanovich;
SHCHIGEL', Viktor Abramovich; KOMAROV, M.S., doktor tekhn.
nauk, red. vypuska; FURER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Vibratory devices in the manufacture of machinery] Vibratsionnye
ustroistva v mashinostroenii. Moskva, Mashgiz, 1962. 109 p.
(MIRA 15:6)

(Machinery industry)

(Vibrators)

KOMAROV, Mikhail Stepanovich, prof., doktor tekhn. nauk; GLUVCHINSKIY, Ye.V., kand. tekhn.nauk, dots., retsenzent; BYKOVSKIY, A.I., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Dynamics of load-lifting machines] Dinamika gruzopod"emnykh mashin. Izd.2., perer. i dop. Moskva, Mashgiz, 1962. 264 p.
(MIRA 15:10)

(Hoisting machinery) (Cranes, derricks, etc.)

KOMAROV, Mikhail Stepanovich; KURENDASH, R.S., kand. tekhn.nauk,
red. vypuska; FURER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Loads of industrial machinery] Nagruzki proizvodstvennykh ma-
shin. Moskva, Mashgiz, 1962. 80 p. (MIRA 15:11)
(Machinery)

BERKOVICH, David Moyseyevich; BESPALOV, I.I., red.; KOMAROV, M.S.,
red.; NEFEDOV, A.F., red.; RABINOVICH, A.M., red.; SHATS,
Ya.Yu., red.; FURER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Inertial forces in engineering and their balancing] Sily
inertsii v tekhnike i ikh uravnoveshivanie. Moskva, Mash-
giz, 1963. 99 p. (MIRA 16:4)

(Moment of inertia)
(Balancing of machinery)

KOMAROV, Mikhail Stepanovich; KURENDASH, R.S., red. vypuska;
FURER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Designing machinery] Kak konstruirovat mashiny. Moskva,
Mashgiz, 1963. 73 p. (MIRA 16:7)
(Machinery--Design and construction)

NEFEDOV, Aleksandr Fedorovich; DOLGOPOL'SKIY, N.A., inzh., red.
vypuska; KOMAROV, M.S., otvetstvennyy redaktor;
BESPALOV, K.I., red.; RABINOVICH, A.N., red.; SHATS, Ya.Yu.,
red.; FURER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.
red.

[Mechanization of loading and unloading operations in
automotive transportation] Mekhanizatsiya pogruzochno-
razgruzochnykh rabot pri avtomobil'nykh perevoskakh. Moskva,
Mashgiz, 1963. 106 p. (MIRA 16:7)

(Transportation, Automotive--Freight)
(Loading and unloading--Equipment and supplies)

GLUSHCHENKO, Il'ya Petrovich; KOMAROV, M.S., doktor tekhn. nauk
prof., otv. red.; KOTLYAROV, Yu.L., red.

[Fundamentals of the design of chain transmissions
with bushed-roller chains] Osnovy proektirovaniia
tsepnykh peredach s vtulochno-rolikovymi tsepami. L'vov,
Izd-vo L'vovskogo univ., 1964. 225 p. (MIRA 17:9)

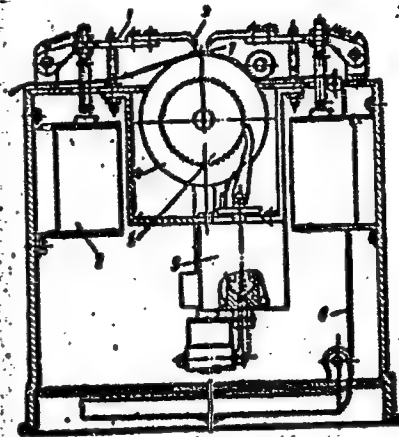
STOLYARCHUK, Vsevolod Filippovich; KOMAROV, M.S., prof., otv. red.;
GRILENKO, L., red.

[Dynamics of vertical hoisting] Dinamika vertikal'nogo
pod'ema. L'vov, Izd-vo L'vovskogo univ., 1965. 150 p.
(MIRA 18:9)

ACC NR: AP7005663

carries one of the printing elements and is connected to the armature of its own electromagnetic drive.

1--element printing mechanism; 2--electromagnetic drive; 3--printing line; 4--platen; 5--ratchet feed mechanism; 6--printed material; 7--inked ribbon



SUB CODE: 09, 14 / SUBM DATE: 07 Oct 64

Card 2/2

KOMAROV, N., inzh.-podpolkovnik

New developments in auto construction. Voen. vest. 39 no.8:77-82
Ag '59. (MIRA 12:10)

(Automobile industry)

KOMAROV, N.

Recent hydraulic machinery. Izobr. i rats. no. 11:8-9 N '58.
(MIRA 11:12)

(Hydraulic machinery)

KOMAROV, N.

Some questions on the production of penicillin and aureomycin. p. 93
Khimia I Industriia Vol. 30, No. 3, 1958. Sofia Bulgaria

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

KCMAROV, N.

Device for dissolving sodium sulfide. p. 93

Khimiia I Industriia Vol. 30, No. 3, 1958. Sofia Bulgaria

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

DOMANEVSKIY, N., kand.tekhn.nauk; KOMAROV, N.

New system of planning and accounting in dredging operations.
Mor.flot 22 no.4:32-33 Ap '62. (MIRA 15:4)

1. Nachal'nik Arkhangel'skogo upravleniya puti.
(Dredging--Accounting)

LAVRENT'YEV, M.; KOMAROV, N.

Secret of success. Rech.transp. 22 no.1:18-19 Ja '63. (MIRA 16:2)

1. Zamestitel' nachal'nika otdela passazhirskikh perevozok Volzhskogo ob'yedinennogo rechnogo parokhodstva (for Lavrent'yev).
2. Kapitan teplokhoda "Mikhail Kutuzov" (for Komarov).
(Merchant seamen)

KOMAROV, N.; KOSTRYUKOV, A.

Give chief attention to the chemical industry construction projects.
Fin.SSSR 38 no.2:22-25 F '64. (MIRA 17:2)

1. Upravlyayushchiy Saratovskoy kontoroy Stroybanka (for Komarov).
2. Nachal'nik planovo-ekonomicheskogo otdela Saratovskoy kontory Stroybanka (for Kostryukov).

L 38438-66 ENT(m)/T DJ/WE

ACC. NR: AF6013412

(A)

SOURCE CODE: UR/0317/65/000/009/0009/0013

AUTHOR: Komarov, N. (Engineer, Colonel); Karnozov, L. (Engineer, Lieutenant colonel)

ORG: None

TITLE: Initiative of armored tank company to honor the 50th anniversary of Great October

SOURCE: Tekhnika i vooruzheniye, no. 9, 1965, 9-13

TOPIC TAGS: ground force organization, ordnance, armored vehicle, military tank, training

ABSTRACT: The authors praise the initiative of an armored tank company commanded by Captain A. Shipkov. The company makes part of the Guard tank regiment attached to the Soviet armed forces in East Germany. The company appealed to other Soviet military units in Germany to initiate competition for the first place in combat and operational readiness including maintenance of equipment and savings in material. The heroic past of the regiment (October Revolution, Civil War and Second World War) is glorified and pledges for further achievements and improvements are cited. The pledges cover: better training, flexible interchange-

Card 1/2

Agriculture

Steps and factors in the evolution of the vegetative cover of the chernozem steppes; Moskva,
Gos. izd-vo geogr. lit-ry. 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 195~~8~~₂, Uncl.

L 22147-66

ACC NR: AP6012951

SOURCE CODE: UR/0096/65/000/011/0012/0020

AUTHOR: Rubinshteyn, Ya. M. (Doctor of technical sciences); Sokolov, Ye. Ya. (Doctor of technical sciences); Komarov, N. F. (Engineer); Bunin, V. S. (Engineer); Ruzankov, V. N. (Engineer) 32

ORG: All-Union Heat Engineering Institute (Vsesoyuznyy teploekhnicheskii institut)

TITLE: Thermic characteristics of heating turbine model T-100-130-TMZ

SOURCE: Teploenergetika, no. 11, 1965, 12-20

TOPIC TAGS: thermoelectric power plant, power generating station

ABSTRACT: The first model of the T-100-130 heating and power turbine was put in operation at heat and electric power station TETs-20 at Moscow in 1963. The turbine is designed to supply nominal loads of 100 MW electric power and 186 Mw (160 Gcal/hr) heat energy. The turbine has a number of new features: a two-stage heating system for water supply; an increased range of pressure of heating steam, from 0.6 to 2.5 at. in the upper, from 0.5 to 2.0 at. in the lower takeoff point; heat outlets for heating water in the turbine condensers. The turbine can operate in one condensation and three heating regimes, depending on the time of year. Graphs presented in this article show the thermic characteristics produced in tests with the unit operating in all four regimes. The tests showed the unit to be reliable and efficient, more efficient than the factory guarantee by about 5%. The turbine is capable of turning out 109

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UDC: 621.165.6.001.5

L 22147-66

ACC NR: AP6012951

Mw in the condensation and 120 Mw in the heating regimes, although the generators being used with it are capable of only 100 Mw. Detailed recommendations for improving the operational characteristics of the equipment and increasing reliability are published in Elektricheskiiye Stantsii, no. 1, 1965 (articles by Zomarov, Pechenkin, Bunin, and Ruzankov). Orig. art. has: 10 figures and 2 tables. [JPRS]

SUB CODE: 10 / SUBM DATE: none / ORIG REF: 003

Card 2/2 dha

KOMAROV, N.F., inzh.; KOVETSKIY, V.M., inzh.; RUZANKOV, V.N.

Results of heat tests of the K-200-130 turbino. Toploenergetika
12 no.6:61-66 Jo '65. (MIRA 18:9)

1. Vsesoyuznyy teplotekhnicheskii institut i Vostochnyy filial
Vsesoyuznogo teplotekhnicheskogo instituta, Chelyabinsk.

RUBINSHTEYN, Ya.M., doktor tekhn. nauk; SOKOLOV, Ye.Ya., doktor tekhn.
nauk; KOMAROV, N.F., inzh.; BUNIN, V.S., inzh.; RUZANKOV, V.N., inzh.

Thermal characteristics of the T-100-130 central heating
turbine. Teploenergetika 12 no.11:12-20 N '65. (MIRA 18:10)

1. Vsesoyuznyy teploekhnicheskii institut.

GRIN', P.O. [reviewer]; KOMAROV, N.F. [author].

"Stages and factors of evolution of the vegetation of chernozem steppes."
Bot.zhur.[Ukr.] 9 no.1:84-87 '52. (MLRA 6:11)

(Steppes) (Komarov, N.F.)

KOMAROV, N. F.

AUTHORS: Rubinshteyn, Ya.M., Doctor of Technical Sciences, SOV/96-58-5-1/27
Gribkov, M.N., Komarov, N.F. and Yedigarev, L.V., Engineers

TITLE: Results of Modernisation of Turbines, Type SVK-150 of the
Leningrad Metal Works (Rezultaty modernizatsii turbin
tipa SVK-150 LMZ)

PERIODICAL: Teploenergetika, 1958, Nr 5, pp 3 - 9 (USSR).

ABSTRACT: Test results on the first turbine, type SVK-150,
published in Teploenergetika, 1956, nr 8, showed that its heat
consumption was 3% above the guarantee figure. Accordingly,
the design of the similar turbine nr 3 for the Cherepet
Power Station was modernised and the steam conditions were
altered to 170 atm. and 570 °C with reheat to 525 °C. The
improvements consisted of providing stationary and working
blades of new aerodynamic profiles for all stages of the high-
pressure cylinder. The double-row regulating stage was devel-
oped on the basis of the MEI (Moscow Power Institute) data.
A 9th stage was installed in the high-pressure cylinder.
Various constructional improvements and some alterations to the
thermal circuit were also made. To determine the effectiveness
of these measures, the VTI (All-Union Thermotechnical Institute)
made tests at Cherepet. GRES (Cherepet Power Station)
Card 1/7 on turbine Nr 3, type SVK-150, in April- June, 1957.

SOV/96-58-5-1/27
Results of Modernisation of Turbines Type SVK-150 of the Leningrad
Metal Works

The thermal circuit of the turbine set is given in Figure 1 which shows the point at which measurements were made. The test conditions and measurements are then described in some detail. The intended tests with and without the regenerative circuit in operation as well as heat-balance tests could not be run in the purely condensing condition and only four tests were made with the high-pressure heaters disconnected. Details are given of the parts of the equipment that were operating, the type of measuring instruments used and various special features of the operating conditions.

In order to determine the thermal characteristics of the turbine, the results of heat-balance tests with the regenerative system in operation were referred to the designed steam conditions of 170 atm. and 550 °C.

The test results for turbine Nr 3 were compared with those for turbine Nr 1, the prototype on the basis of the guarantee conditions for the latter. In particular, the steam temperature after reheat and the consumption of feedwater for reheat injection were taken from the same calculated data as for Nr 1.

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Results of Modernisation of Turbines Type SVK-150 of the Leningrad
Metal Works

SOV/96-58-5-1/27

Steam- and heat-consumption figures as functions of power output for turbine Nr 3 are plotted in Figure 2. The specific heat-consumption for Nr 1 is also indicated, by dotted lines. The data relate to the use of two boilers, i.e. with steam consumption exceeding 240 tons/hour. Turbine efficiency figures for three operating conditions are recorded in Table 1, which shows a mean improvement in efficiency for the three conditions of the order of 2.1%. Table 2 compares the heat-consumption of turbine Nr 3 with the works guarantee figures when the steam conditions are 170 atm. and 550 °C, and the steam at the inlet to the medium-pressure cylinder is at the designed temperature. For the three test conditions on Nr 3, the heat-consumption exceeds the guarantee figure (without tolerance) by 1.1%, as against 3% for Nr 1. The improved heat-consumption of Nr 3 is mainly due to the increased efficiencies of the high- and medium-pressure cylinders, the better operation of the steam ejectors from the first tapping and the new labyrinth glands. The reasons for the improvement are then analysed in more detail.

Pressure losses in the stop valves are rather high. The

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SOV/96-58-5-1/27

Results of Modernisation of Turbines Type SVK-150 of the Leningrad Metal Works

effect on the efficiency of opening successive nozzle valves is shown on Figure 5; comparative results for turbine nr 1 are also given. Figure 6 gives curves of the relative internal efficiency of the high-pressure cylinder as a function of the steam consumption. Modernisation of the flow path of the turbine has improved the efficiency of the high-pressure cylinder, with three valves open, by 7%. This is achieved mainly by the use of improved blade profiles and the addition of one pressure-stage. Tests were made with 2, 3 and 4 valves fully open and gave efficiencies of 74.7, 78.8 and 79.3% respectively.

The relative internal efficiency of the medium-pressure cylinder, plotted in Figure 7, remains constant at 89.5% over a wide load range. This is 1.2% higher than for turbine Nr 1 and is due to small changes and better manufacture of the flow path of the cylinder.

Because the thermal circuit of the turbine is complicated, estimates of the heat content of the exhaust steam are approximate. However, as the curve of the internal efficiency of the low-pressure cylinder, given in Figure 8, accords with

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Results of Modernisation of Turbines Type SVK-150 of the Leningrad
Metal Works

the values determined for turbine nr 1, there is reason to suppose that the experimental values are nearly correct. Greater precision would entail special tests. With a steam flow to the condenser of 305 tons/hour, the test efficiency of the low-pressure cylinder is 66% (referred to a rated condenser pressure of 0.03 atm.). As this is 10% less than the calculated figure, the turbine would be expected to have an excess heat-consumption of 1.8%. The quantity of steam withdrawn from the labyrinth glands and valve-boxes of turbines nrs 1 and 3 are given in Table 3. For turbine Nr 3, the quantity is 2.6 tons/hour less than for turbine Nr 1, which reduces the specific heat consumption by 0.2%. High-pressure heaters Nrs 5, 6 and 7 and low-pressure heaters Nrs 3, 4, worked very satisfactorily but the drainage coolers for high-pressure heaters Nrs 6 and 7 are quite ineffective, and that for nr 5 merely reduces the temperature by about 10 °C. In low-pressure heaters Nrs 1 and 2, the final temperature heads are very great (10 - 14 °C) because of high leakage of air into the system and poor de-aeration. Under operating conditions there are a number of other adverse

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Results of Modernisation of Turbines Type SVK-150 of the Leningrad Metal Works

factors that were not present during the tests. One is leakage of air into the vacuum system. Also, the quantity of steam supplied to the glands is 1 ton/hour more than it should be and the feedwater consumption for reheat temperature regulation is high (up to 20 tons/hour).

It is concluded that modernisation has improved the heat consumption of the turbine by an average of 2.1%, mainly by increasing the efficiency of the high-pressure cylinder by 6 - 10% at steam consumptions of 300 - 460 tons/hour and by raising the efficiency of the medium-pressure cylinder by 1.2%. The efficiency of the turbine is less than the guarantee figure but is within the tolerance. The next step is to improve the efficiency of the low-pressure cylinder and also to reduce pressure losses in the stop valve of the medium-pressure cylinder, which constitute about 25% of the total pressure-drop on the reheat system.

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Results of Modernisation of Turbines Type SVK-150 of the Leningrad
Metal Works

There are 8 figures, 3 tables and 1 Soviet reference.

ASSOCIATION: VTI

Card 7/7 1. Turbines--Design 2. Turbines--Performance

KOROVIN, V.A., inzh.; KOMAROV, N.F., inzh.; KOSTRIKIN, Yu.M., kand.tekhn.
nauk

Withdrawal of silicon compounds with moisture separated out by
the low pressure stages of the VK-100-2 turbine. Teploenergetika
7 no. 12:38-43 D '60. (MIRA 14:1)

1. Vsesoyuznyy teplotekhnicheskiy institut.
(Turbines) (Feed water purification)

KOMAROV, M.F., inzh.; PECHENKIN, Yu.V., inzh.; KURIN, V.S., inzh.;
KUZNEKOV, V.E., inzh.

Results of studies and heat tests of a leading T-100 130 heating
turbine. Tekh. sta. 34 no. 1:25-28 in 195.

(HR: 17:3)

KOMAROV, N.G., brigadir stolyarov-aborshchikov

For the honorable title of brigade of Communist labor. Gor.khoz.
Mosk. 33 no.6:38-39 Js '59. (MIRA 12:10)

1. Derevoobdelochnyy kombinat No.6: Glavmospromstroymaterialov.
(Moscow--Joiners)

AUTHORS: Komarov, N.I.; Pilkin, M.G., Engineers 91-58-8-9/34

TITLE: A Device for Straightening Boiler Parts (Prisposobleniye dlya pravki detaley kotlov)

PERIODICAL: Energetik, 1958, Nr 8, pp 16-17 (USSR)

ABSTRACT: A device for straightening out boiler parts, such as pipes and welded columns, is described and illustrated. This consists of a screw jack acting on a supporting beam on which the part to be straightened is laid. The whole assembly is braced against two concrete pillars in the repair workshop. A simpler device for straightening pipes with a diameter of 76-108 mm is described. There are 3 diagrams.

1. Boilers--Maintenance 2. Tools--Design

Card 1/1

KOMAROV, N.I.

KOMAROV, N.I.; PARBOVSKIY, V.I., spetsredaktor; PRITYKINA, L.A., red.;
YAROV, E.M., tekhn.red.

[Using waste products of food enterprises for livestock feed]
Ispol'zovanie kormovykh otkhodov pishchevykh predpriyatii dlia
nuzhd shivotnovodstva. Moskva, Pishchepromizdat, 1957. 26 p.
(MIRA 10:12)

(Feeding and feeding stuffs)

KOMAROV, N.I.

[Surgical treatment of infected skull and brain wounds] Khirurgicheskoe lechenie infitsirovannykh ran cherepa i mozga. Kazan' Tatknigoizdat, 1957. 135 p.

(WOUNDS) (HEAD--SURGERY)

(MIRA 11:6)

17(

SOV/177-58-9-31/51

AUTHOR: Komarov, N.I., Captain of the Medical Corps

TITLE: The Prophylaxis of Epidermophytosis and Abscesses in Military Units

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 9, p 80 (USSR)

ABSTRACT: The author gives a short review of the well-known prophylactic measures against epidermophytosis and abscesses in military units. These diseases are treated in dispensaries by Professor S.T. Pavlov's method. Lyubiyev's and Teymurov's pastes are prophylactically applied. An important prophylactic factor is the hardening of the organism and the skin by physical exercises, air and sun baths and swimming in rivers. The prophylactic measures resulted in a sick rate decrease of epidermophytosis and abscesses of about 29% during the 1953/56 period.

Card 1/1

KOMAROV, N.I.

In memory of professor V.A. Gusynin. Vop.naurokhir. 22 no.3:59-60
Ky-Je '58 (MIRA 11:8)
(GUSYNIN, VASILII AFANAS'EVICH, d.1957)

AYDAROV, A.A.; KOMAROV, N.I., red.

[Problems of plastic surgery in craniocerebral operations;
combined plastic surgery for defects of the cerebral dura
mater and the cranial arch] Voprosy plastiki v cherepnomo-
govoi khirurgii; kombinirovannaya plastika defektov tverdoi
mozgovoi obolochki i kostei svoda cherepa. Kazan', Tatarskoe
knizhnoe izd-vo, 1959. 77 p. (MIRA 13:2)
(SKULL--SURGERY)

KOMAROV, N. I.

Komaroy, N. I. - "From the hauling test of CT₂-11 scraper conveyors at
Donets coal field mines," Raboty DONUGI (Donetskiy
nauck.-issled. ugol'nyy in-t), symposium 4, 1948, p. 38-47

So; U-3566, 15 March 53, (Letopis: 'Zhurnal 'nykh Statey, No. 13, 1949)

KOMAROV, N. I.

Coal-Mining Machinery

Using model UKMG-1 combines in very thin seams. Mekh. trud. rab. 7, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

I.
KOMAROV, N.; VITER, D.

Experience in use of cutter-loader in mining coal from thin seams.
Mest.ugl. 3 no.2:3-5 F '54. (MLRA 7:3)

1. Nauchnyy sotrudnik Donetskogo nauchno-issledovatel'skogo
ugol'nogo instituta (for Komarov). 2. Pomoshchnik glavnogo inzhenera
shakhty No.6-14 kombinata Stalinugol' (for Viter).
(Coal mines and mining)

Komarov, Nikolay Ivanovich

VEDERNIKOV, Viktor Ivanovich; MERKULOV, Nikolay Yakovlevich; KOMAROV,
Nikolay Ivanovich; KHORIN, V.N., redaktor; ANDREYEV, G.G.,
tekhnicheskii redaktor; KOROVENKOVA, Z.A., tekhnicheskii redaktor

[Experience in operation of coal combines for cutting sloping
thin seams] Opyt eksploatatsii ugol'nykh kombainov dlia vyemki
pologopadaiushchikh tonkikh plastov. Moskva, Ugletekhnizdat,
1955. 242 p. (MLA 9:2)

(Coal mines and mining)

KOMAROV, N.I.

KOMAROV, N.I., inzhener; YATSKIKH, V.G., inzhener

Mining coal with the URMG cutter-loader in extremely narrow
seams. Mekh.trud.rab.9 no.8:21-24 Ag'55. (MLRA 8:10)
(Coal mining machinery)

KOMAROV, Nikolay Ivanovich; YATSEIKH, Valer'yan Grigor'yevich; ZAVOZIN,
L.F., otv.red.; SABITOV, A., tekhn.red.; ALADOVA, Ye.I.,
tekhn.red.

[Experience in the effective operation of UKM cutter-loaders
in Donets Basin mines] Opyt effektivnoi raboty kombainov UKM
na shakhtakh Donbassa. Moskva, Ugletekhizdat, 1956. 53 p.
(MIRA 14:1)

(Donets Basin--Coal mining machinery)

KOMAROV, N.I., inzhener; POVOLOTSKIY, I.A., inzhener; FURMANENKO, N.I., inzhener;
YATSKIKH, V.G., inzhener.

Testing the KN-1 and KN-2 coal cutter-loaders. Mekh.trud.rab.10 no.4:
33-36 Ap '56. (Coal mining machinery) (MLRA 9:7)

KOMAROV, N.; inzhener; YATSKIKH, V., inzhener.

The DGI-2M drifting combine. Mast. ugl. 5 no. 11:22 N '56.
(Coal mining machinery)

(MIRA 10:1)

LYAPIN, D.P.; YATSKIKH, V.O.; KOMAROV, N.I.; SHUMILOV, V.V.

The over-all mechanization of cleaning and preparation work.
Mekh. trud. rab. 10 no.9:5-9 S '56. (MLRA 9:10)

(Coal mines and mining)

KOMAROV, N.I.

LYAPIN, D.P., inzh.; KOMAROV, N.I., inzh.; YATSKIKH, V.G., inzh.

The over-all mechanization of cleaning and preparatory work,
Mekh.trud.rab. 11 no.8:25-27 Ag '57. (MIRA 10:11)
(Coal mines and mining)

KOMAROV, N.I., inzh.; PIIXIN, M.G., inzh.

Device for straightening boiler parts. Energetik 6 no.8:16-17 Ag '58.
(MIRA 11:10)
(Boilers).

KOMAROV, N.I.; YATSKIKH, V.G.

Performance of KH-1 cutter-loaders in Donets Basin mines.
Ugol' Ukr. 3 no.1:35-38 Ja '59. (MIRA 12:1)
(Coal mining machinery)

LYAPIN, D.P., inzh.; KOMAROV, N.I., inzh.; SUTCHENKO, S.K., inzh.;
SHAPIRO, I.G., inzh.

Possible area of using a circular grader-conveyor as a type
of actuating mechanism for the machine unit method of coal
mining in the Donets Basin. Sbor. DonUGI no.33:246-259 '64.
(MIRA 17:11)

KOMAROV, N. L.

USSR/Chemistry - Production of Aluminum

Feb 51

"Effect of the Geometric Parameters of an Electrolytic Cell on the Distribution of Electric Energy in It," V. M. Mashovets, N. V. Pototskaya, N. L. Komarov, U. F. Yuromshina, All-Union Aluminum-Magnesium Inst

"Zhur Prik Khim" Vol XXIV, No 2, pp 154-166

Studied structure of elec fld in flat model of Al bath with Cu electrodes and electrolyte of 150 g/l $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$, 49 g/l H_2SO_4 , and 50 g/l alc. Clarified effect of distance from anode to side walls, depth of electrolyte, and interelectrode distance for cells with working and insulated side walls. Proposed more satisfactory formula for "reduced" cross section of electrolyte.

177T14

KOMAROV, N. M.

KOMAROV, N. M. (Lecturer, Central Scientific Practical Disinfection Laboratory, Peoples' Commissariat for Agriculture, USSR). Hot air for disinfection and degasification of harness.

So: Veterinariya: 22; (1): January 1945; Incl.
TABCON

11 11

KOMAROV, V. M.

Diuretic therapy in toxic pulmonary edema. N. M. Komarov. *Farmakol. i Toksikol.* 9, No. 6, 42-4 (1946).

In 17 tests with 53 horses the effects of mercural (II), a complex Na salt of the hydrazymercuromethoxypropionamide of salicylic acid, were studied after exposure of animals for 15 min. to air contg. diphosgene (II, 0.8-1 mg./l.). The dose of I was 0.025 to 0.1 cc./kg., given intravenously, which in normal horses increases urinary output 15- to 20-fold in 30-45 min. After about 4 hrs. the diuretic effect tapers off to about 3-fold on the next day. Diuresis with I began 10-20 min. after exposure to II and was repeated after 2, 4, 6, 8, or 24 hrs. according to observed results. In some tests a cardiac drug (caffeine or digalen) and CaCl₂ were given along with I, but they had little effect on the poisoning. Instead of relieving the edema, I sharply increased mortality without exerting much of its normal diuretic action. If given 1-3 hrs. after exposure to II, I came nearer to its normal effect. Increased mortality after giving I is attributed to cardiovascular or neuropathological action. Julian F. Smith

x Nikolay

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

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KOMAROV, N. M.

KOMAROV, N. M. (Lecturer, Candidate of Veterinary Sciences, Sanitary Scientific Research Laboratory, Moscow City Soviet.) Comparative evaluation of apparatuses employed for wet disinfection.

So: Veterinariya; 23; 5-6; May/June 1946; Uncl.

TABCON

KOMAROV, N.M., Dr. of Vet. Sci.

All-Union Sci. Research Lab. of Vet. Sanitation and Disinfection.

"Mobile unit for mechanized disinfection with hot solutions."

SO: Veterinariia 23(7), 1951, p. 41

1. KOMAROV, N. M.
2. USSR (600)
4. Farm Buildings - Disinfection
7. Automotive disinfecting assembly for livestock buildings.
Dost. sel'khoz. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

Aug 52

USSR/Medicine - Sanitation

"Data on the Organization of the Operation of Mobile Units for Disinfection," Prof N. M. Komarov, All-Union Inst of Exptl Vet Med

"Veterinariya" No 8, pp 43-46

Describes in detail the performance of appliances known as DUK. The 1952 models are an improved version of the 1951 model produced by the Kalachinsk Mech Plant, Min of Agr USSR. Nationwide use of these units is expected in 1952, when the DUK units will be released to the Gen Vet Bacteriol Laboratories in each oblast of the USSR. The DUK installations are mounted on QAZ-51

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and ZIS-5 vehicles. Each installation is equipped with 5 sprayers: 3 of the drum type, one brush sprayer, and one for aerosol formation. The capacity of each DUK unit, working in a 100-km radius if used according to plan, should be capable of decontaminating an area of 500,000 to 600,000 sq m during the 8- to 9-month work season. Each unit will be accompanied by a trained crew, supplied with necessary materials and protective clothing. Data are cited on the performance and effective dispersion using kerosene solus of DDT and hexachlorocyclohexane as well as of various solus in solar and diesel oils.

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KOMAROV, N. M. Prof

KOMAROV, N. M.
USSR/Medicine - Veterinary

FD-1292

Card 1/1 : Pub 137-12/20

Author : Komarov, N. M. Professor, Doctor of Veterinary Sciences

Title : Results of extensive use of automatic disinfecting equipment

Periodical : Veterinariya, 31, 8, 47-52, Aug 1954

Abstract : The mobile automatic disinfecting apparatus (peredvizhnaya disinfektsionnaya avtostanovka "DUK") has demonstrated its usefulness in saving man-hours of labor. More extensive utilization of this apparatus is recommended in order to improve the sanitary-epidemic control in kolkhozes and sovkhoses of the USSR. This recommendation is in line with the directive of the 19th Congress of the CPSU which stressed the need for improvement of labor efficiency in all branches of national economy including animal husbandry. Illustrations.

Institution : All-Union Institute of Experimental Veterinary Science (VIEV)

Submitted :

KOMAROV, N.M., doktor veterinarnykh nauk, professor.

More attention to the hygiene of livestock barns. Veterinariia
32 no.3:73-77 Mr '55. (MLRA 8:2)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(VETERINARY HYGIENE) (BARN)

KOMAROV, N.M., doktor veterinarnykh nauk, professor.

Hygiene of the summer stall-and-field shelter system for cows.
Veterinariia 32 no.5:57-67 My '55. (MLRA 8:7)

1.Vsesoyuznyy institut eksperimental'noy veterinarii.
(COWS) (VETERINARY HYGIENE)

KOMAROV, N.M., doktor veterinarnykh nauk, professor.

Improved mobile disinfection unit. Veterinariia 32 no.8:71-74
Ag '55. (MLRA 8:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(DISINFECTION AND DISINFECTANTS)

USSR/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31105

Author : Komarov, N.M., Shil'nikov V .I.

Inst :

Title : Prevention of Pulmonary Diseases in Lambs During the Summer Period

Orig Pub : Ovtsevodstvo, 1957, No 6, 44-45

Abstract : It is pointed out that the incidence of pulmonary diseases in lambs in the summertime is due to overheating of the organism, associated with a high temperature of the air and prolonged insolation. The keeping of lambs under light awnings in hot weather, and equipping artesian and shaft wells with tanks for heating the water before watering the animals, constitute the surest measures for preventing pulmonary diseases in lambs.

Card : 1/1

KOMAROV, N.M., professor; YEGOROV, Ye.G., inzhener.

Ventilation systems on livestock farms. Nauka i pered.op. v
sel'khoz. 7 no.8:25-26 '57. (MLRA 10:9)
(Farm buildings--Heating and ventilation)

KOMAROV, N.M., professor.

improve the work of disinfection detachments. Veterinariia 34
1975-78 5 '57.

(MIRA 10:9)

nauchnyy institut eksperimental'noy veterinarii.
(Disinfection and disinfectants)

KOMAROV, N.M., professor.

Improve ventilation in livestock buildings. Veterinariia 34
no.7:72-76 J1 '57. (MLRA 10:8)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Barns--Ventilation)

KOMAROV, N.M., prof.

Role and tasks of veterinary specialists in the building and
utilization of stock barns. Veterinariia 35 no.6:25-28 Jo '58.
(MIRA 11:6)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Barns) (Veterinary hygiene)

KOMAROV, N.M.

Results of the development of veterinary hygiene for forty years and
its further tasks. Trudy VIM 23:160-174 '59. (MIRA 13:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Veterinary hygiene)

KOMAROV, E.M.

Out-of-town meeting of the All-Union Lenin Academy of Agricultural
Sciences. Veterinariia 36 no.3:95 Mr '59. (MIRA 12:4)
(Orel--Veterinary hygiene)

KOMAROV, N.M., prof.

Veterinary control of the ventilation of stock barns. Veterinariia
36 no.11:77-81 N '59 (MIRA 13:3)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Farm buildings--Heating and ventilation)

KOMAROV, N. M., TORPAKOV, F. G. and SLAVIN, ANK A. M.

"Ventilation of pigsties with heating of flowing air."

Veterinariya, Vol. 37, No. 7, 1960, p. 75

Komarov - Pig.

KOMAROV, N.M. (Professor, VIEV)

"Problems of establishing norms for the maintenance conditions of animals."

Veterinariya, Vol. 37, No. 9, p. 73, 1960.

KOMAROV, N.M., prof.

Problems in normalizing conditions for keeping animals.
Veterinariia 37 no.9:73-76 S '60. (MIRA 14:11)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Veterinary hygiene)

KOMAROV, N.M., prof.; GROMYKHIN, P.S., kand.veterinarnykh nauk;
BELYAYEV, A.I., veterinarnyy vrach [deceased]

Free maintenance of dairy cows without stalls. Trudy VIEV 26:
236-249 '62. (MIRA 16:2)

1. Laboratoriya zoogigiyeny Vsesoyuznogo instituta eksperimental'-
noy veterinarii.

(Dairy cattle)

KOMAROV, N.M., prof.; TORPAKOV, F.G., kand.veterin.nauk; SLAVIN, A.M.,
uchenny zootekhnik

Ventilation of pigsties with a heated air flow. Veterinariia
37 No.7:75-78 J1 '60. (MIRA 16:2)
(Swine houses and equipment)
(Farm buildings-- Heating and ventilation)

KOMAROV, N.M.; BILYBERDIN, N.S.

Study of the toxic effect of thermomechanical aerosols of
dichloro-diphenyl-trichloroethane (DDT) and hexachlorocyclo-
hexane. Farm. i toks. 26 no.1:113-116 Ja-F '63. (MIRA 17:7)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

KOMAROV, N.M., doktor veterinarnykh nauk, 1934-1965, 1965-1968

Ionizing the air in poultry houses for laying hens. Dokl. Akad.
sel'khoz. nauk no.2:27-29 F '65. (MIRA 18:5)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

KOMAROV, N.M., prof.; BERDOV, A.Z., aspirant

Propylaxis of heat-exchange disorders in ducklings. Veterinariia
41 no.1:88-90 Ja '65. (MIRA 18:2)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

KCMAROV, N.M., prof.; KARLIN, A.I., kand.veterin,mark

Anemia in young pigs and means for its prophylaxis. Veterinariia
41 no.3:65-67 Mr '65. (MIRA 18:4)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.